

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1-6 (cancelled)

Claim 7 (previously presented) A small-diameter resin twisted brush comprising:

a plurality of resin filaments having resilience, straightenability, and suppleness;
at least two resilient stem resin filament rods;

said plurality of resin filaments being clamped between said at least two resilient stem resin filament rods;

said at least two resilient resin stem rods being twisted about one another, thereby forming said brush with helical bristles formed by said plurality of resin filaments extending radially from said at least two twisted resilient stem resin filament rods, whereby said small-diameter resin twisted brush is capable of adapting of three-dimensional deformed conditions and of recovering an initial shape.

Claim 8 (previously presented) A small-diameter resin twisted brush as claimed in claim 7, further comprising at least one thermally fusible resin filament rod parallel to said at least two resilient stem resin filament rods, whereby said at least one thermally fusible resin filament rod is fused during manufacture of said small-diameter resin twisted brush to firmly hold said plurality of resin filaments between said at least two twisted resilient stem resin filament rods, and to prevent said at least two twisted resilient stem resin filament rods, and to prevent said at least twisted resilient stem resin filament rods from detwisting.

Claim 9 (previously presented) A small-diameter resin twisted brush as claimed in claim 7, wherein said at least two resilient stem resin filament rods are coated with a thermally fusible resin material, whereby said thermally fusible resin material is fused during manufacture of said small-diameter resin twisted brush to firmly hold said plurality of resin filaments between said at least two twisted resilient stem resin filament rods, and to prevent said at least two twisted resilient stem resin filaments from detwisting.

Claim 10 (previously presented) A small-diameter resin twisted brush as claimed in claim 7, wherein said at least two resilient stem resin filament rods are color-coded with a pigmented resin to indicate the size of said helical bristles.

Claim 11 (previously presented) A small-diameter resin twisted brush as claimed in claim 7, wherein ends of said at least two resilient stem resin filament rods adjacent to said helical bristles are smoothed to remove sharp edges.

12. (withdrawn) A small-diameter resin twisted brush manufactured in a process comprising the steps of:

- providing a plurality of resin filaments;
- providing at least two resilient resin stem rods with a thermally fusible resin material;
- clamping said plurality of resin filaments between said at least two resilient resin stem rods;
- twisting said at least two resilient stem rods about one another; and
- melting said thermally fusible resin material. |

13. (withdrawn) A small-diameter resin twisted brush as claimed in claim 12 wherein said thermally fusible resin material as in the form of at least one thermally fusible resin filament rod.

14. (withdrawn) A small-diameter resin twisted brush as claimed in claim 12 wherein said thermally fusible resin material is a coating on at least one of said resilient resin stem rods.

15. (withdrawn) A small-diameter resin twisted brush as claimed in claim 12 wherein said process further comprises the step of smoothing the ends of said at least two resilient resin stem rods adjacent to said plurality of resin filaments to remove sharp edges.

16. (withdrawn) A small-diameter resin twisted brush as claimed in claim 12 wherein said process further comprises the step of cutting a continuously manufactured brush at fixed intervals to produce brushes of desired length.

17. (withdrawn) A small diameter resin twisted brush as claimed in claim 12 wherein said process further comprises the step of color-coding the size of said resin filaments by including a pigmented resin in said at least two resilient resin stem rods.

Claim 18 (new) A small-diameter resin twisted brush as claimed in claim 7, wherein the brush has a radially-projecting resin filaments positioned at fixed intervals flanked by sections lacking stem bristles.

Claim 19 (new) A small-diameter resin twisted brush as claimed in claim 18, wherein the stem resin filament rods are cut at the section lacking stem bristles and the ends of said at least two resilient stem resin filament rods adjacent to said helical bristles are smoothed to remove sharp edges